

[Document Name] Scope of Claims

[Claim 1] A biaxially oriented white polypropylene film for thermal transfer recording characterized in that it is a film comprising of polypropylene resin of which β -crystal ratio is 30% or more and melting temperature is 140 to 172°C, which has substantially non-nucleus voids, a void ratio of 30 - 80% and a sum of strengths of longitudinal direction and of transverse direction of the film at 2% elongation (F2 value) being in the range of 10 to 70 MPa and a surface glossiness being in the range of 10 - 145 %.

[Claim 2] A biaxially oriented white polypropylene film for thermal transfer recording characterized in that a skin layer (B layer) of which surface glossiness is 10 - 145 % is laminated to at least one side of a core layer (A layer) which consists of polypropylene resin of which β -crystal ratio is 30% or more, melting temperature is 140 to 172°C, which has substantially non-nucleus voids, a void ratio of 30 - 80% and a sum of the strengths of longitudinal direction and of transverse direction of the film at 2% elongation (F2 value) being in the range of 10 to 70 MPa.

[Claim 3] A biaxially oriented white polypropylene film for thermal transfer recording in which a skin layer (B layer) of which surface glossiness is 10 - 145 % is laminated to at least one side of a core layer (A layer) characterized in that a sum of strengths of longitudinal direction and of transverse direction of the film at 2% elongation (F2 value) is in the range of 30 to 100 MPa and that the film has β -crystal activity.

[Claim 4] A biaxially oriented white polypropylene film for thermal transfer recording according to claim 2 or 3, characterized in that said B layer is at least one or more kinds of resin selected from polyolefin based resins, acryl based resins, polyester based resins and polyurethane based resins.

[Claim 5] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3, wherein a specific gravity of said film is in the range of 0.2 to 0.8.

[Claim 6] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3, wherein an average surface roughness (Ra) of at least one side is 0.02 to 1 μm .

[Claim 7] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3, wherein a thermal conductivity is 0.14 W/mK or less.

[Claim 8] A biaxially oriented white polypropylene film for thermal transfer recording which is a film in which a skin layer (B layer) having a half-crystallization time of 60 seconds or less and a surface glossiness of 30 to 145 % is laminated to at least one side of a core layer (A layer) which consists of polypropylene resin having a substantially non-nucleus void, characterized in that it is a film of a specific gravity of 0.3 to 0.7 and has β -crystal activity.

[Claim 9] A biaxially oriented white polypropylene film for thermal transfer recording according to claim 8, wherein a crystallization temperature (Tc) of said B layer is 115 °C or more.

[Claim 10] A biaxially oriented white polypropylene film for thermal transfer recording according to claim 8, wherein a void ratio of said B layer is 0.1 to 5 %.

[Claim 11] A biaxially oriented white polypropylene film for thermal transfer recording according to claim 8, wherein an average surface roughness (Ra) of said B layer is 0.01 to 0.5 μm .

[Claim 12] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 2, 3 and 8 to 11, wherein said B layer contains at least one selected from an immiscible resin, an inorganic particle and an organic particle.

[Claim 13] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3 and 8 to 11, wherein an optical density (OD) is in the range of 0.4 to 1.

[Claim 14] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3 and 8 to 11, wherein a whiteness is 50% or more, L* value is 50 or more, a* value is -2 to 5 , and b* value is -5 to -0.01.

[Claim 15] A biaxially oriented white polypropylene film for thermal transfer recording according to any one of claims 1 to 3 and 8 to 11, wherein a cushion factor is 15 to 30%.

[Claim 16] A receiving sheet for thermal transfer recording in which a receiving layer is provided at least on one side of the biaxially oriented white polypropylene film for thermal transfer recording described in any one of claims 1 to 3 and 8 to 11.

[Claim 17] A receiving sheet for thermal transfer recording according to claim 16, in which an anchor layer is provided between said receiving layer and said film.

[Claim 18] A receiving sheet for thermal transfer recording according to claim 17, wherein the anchor layer consists of at least one or more kinds of resins selected from acryl based resins, polyester based resins and polyurethane based resins.